Application guide
H-5687-8102-01-A

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Planning an end user replacement RTS/ RMP integration in an RMI-Q installation

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Trade marks

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Supporting documents

It is intended that this guide supplements information provided by the following publications:

- RMI-Q radio machine interface installation guide (H-5687-8504);
- RMP60 radio machine probe installation guide (H-5742-8504);
- RMP600 high accuracy radio machine probe installation guide (H-5312-8503);
- RMP40 radio machine probe installation guide (H-5480-8504);
- RLP40 radio lathe probe installation guide (H-5627-8504);
- RTS radio tool setter installation guide (H-5646-8504).

Introduction

The purpose of this guide is to assist the end user to plan the integration of a replacement RTS/RMP into an RMI-Q system.

A process flow diagram enables you to consider the following:

- probe ID;
- switch-on method;
- partnering procedure selection of radio machine probes (RTS/RMPs);
- application software.

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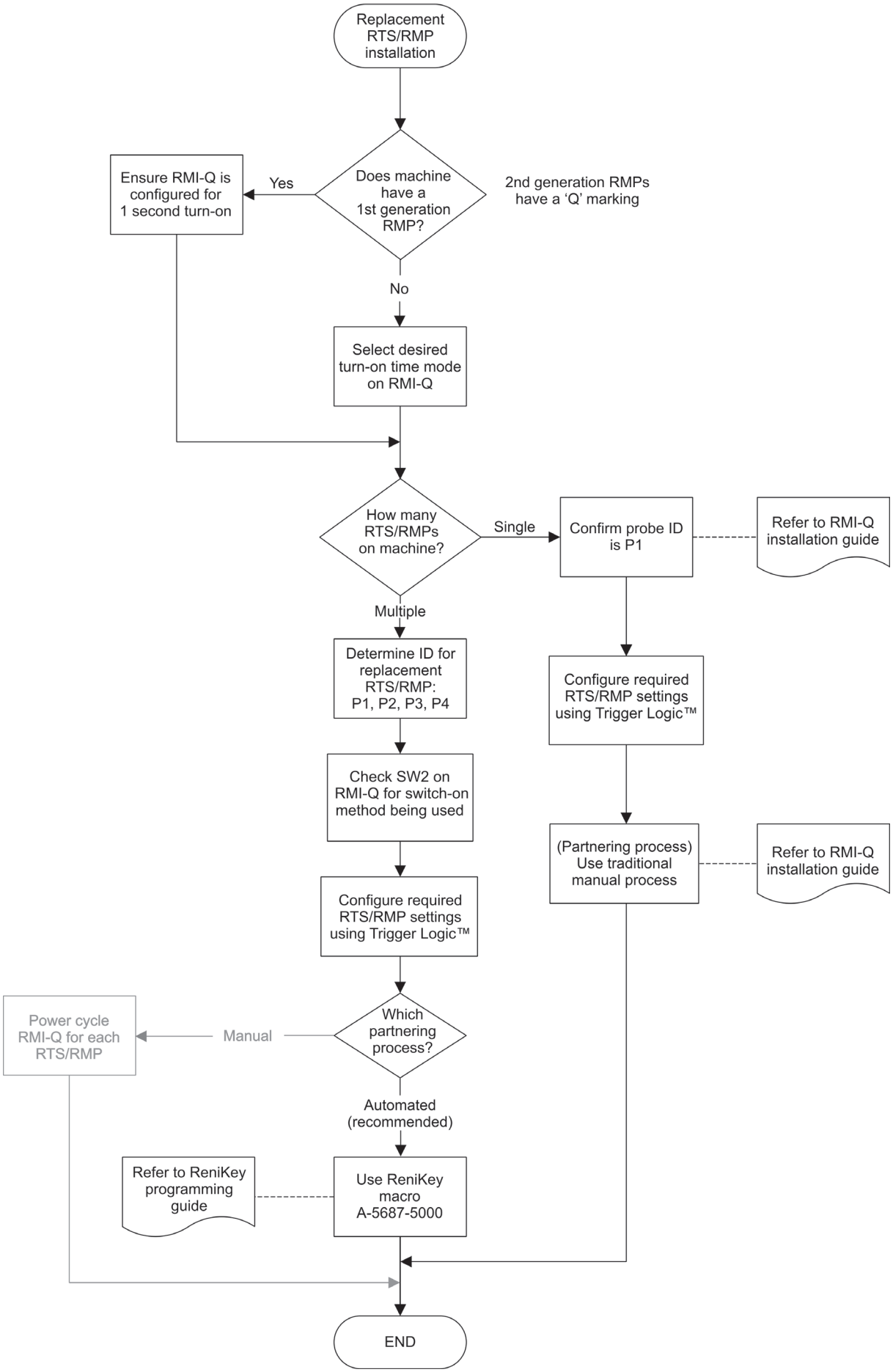

Replacement RTS/RMP partnering with RMI-Q

RMI-Q acquisition is achieved by either performing manual procedures or by the application of ReniKey. The application of ReniKey is the recommended method for the acquisition of multiple RTS/RMPs.

RMI-Q support software (Renishaw part no. A-5687-5000) is available from your local Renishaw distributor/office. This product provides controller specific ReniKey macros for both Siemens and Heidenhain CNC machine tool controllers. A generic ReniKey macro is also provided for use with most other CNC machine tool controller types.

Controller type	Programming guide
Generic	H-5687-8601
Heidenhain	H-5687-8602
Siemens	H-5687-8603

Replacement RTS

A replacement RTS operates in conjunction with Renishaw five-face contact tool setting software. This software is already installed on your machine.

If your machine has multiple RTS probes, an additional (controller specific) macro is used to control multiple calibration data and M-codes for turning each RTS probe on and off. This macro is already installed on your machine.

Renishaw plc

New Mills, Wotton-under-Edge,
Gloucestershire, GL12 8JR
United Kingdom

T +44 (0)1453 524524
F +44 (0)1453 524901
E uk@renishaw.com

www.renishaw.com

RENISHAW
apply innovation™

For worldwide contact details, please visit our main web site at www.renishaw.com/contact

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